

Please type a plus sign (+) in this box



PTO/SB/18 (08-00)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

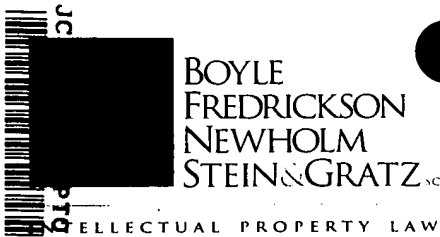
UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No.	282.020	
		First Named Inventor	DAVID J. BEEBE ET AL	
		Title	METHOD AND APPARATUS FOR MONITORING THE ENVIRONMENT WITHIN A MICROFLUIDIC DEVICE	
		Express Mail Label No.	EL922961279US	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231		
1. (X) Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		8. () Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)		
2. (X) Applicant claims small entity status See 37 CFR 1.27		a. () Computer Readable Form (CRF)		
3. (X) Specification [Total Pages 17] (preferred arrangement set forth below, MPEP 1503.01) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims - Abstract of the Disclosure		b. () Specification Sequence Listing on: i. () CD-ROM or CD-R (2 copies); or ii. () paper		
4. (X) Drawing(s) (35 U.S.C. 113) [Total Sheets 3]		ACCOMPANYING APPLICATION PARTS		
5. Oath or Declaration [Total Pages 2] a. (X) Newly executed (original or copy) b. () Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 16 completed) i. () DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b).		9. () Assignment Papers (cover sheet & document(s))		
6. () Application Data Sheet. See 37 CFR 1.76		10. () 37 CFR 3.73(b) Statement () Power of Attorney (when there is an assignee)		
7. () CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)		11. () English Translation Document (if applicable)		
16. If a CONTINUING APPLICATION , check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: () Continuation () Divisional () Continuation-in-part (CIP) of prior application No: _____ / _____ Prior application information: Examiner _____ Group / Art Unit: _____ For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.		12. () Information Disclosure Statement (IDS)/PTO-1449 () Copies of IDS Citations		
17. CORRESPONDENCE ADDRESS		13. () Preliminary Amendment		
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		14. (X) Return Receipt Postcard (MPEP 503) (Should be specifically itemized)		
(Insert Customer Number or Bar Code Label here)		15. () Certified Copy of Priority Document(s) (if foreign priority is claimed)		
Name Peter C. Stomma		16. () Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i) - Applicant must attached form PTO/SB/35 or its equivalent		
Address BOYLE, FREDRICKSON, NEWHOLM, STEIN & GRATZ LLC		17. () Other: _____		
250 E. Wisconsin Avenue, Suite 1030				
City Milwaukee	State WI	Zip Code 53202		
Country USA	Telephone (414) 225-9755	Fax (414) 225-9753		
Name (Print/Type) Peter C. Stomma		Registration No. (Attorney/Agent) 36,020		
Signature		Date October 19, 2001		

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

{00007975.DOC ;

Certificate of Express Mailing

I hereby certify that this correspondence is being deposited with the U.S. Post Office as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231 on 10/19/01. The Express Label No. is EL922961279US.
Caroline Kuenzle 10/19/01



PETER C. STOMMA
DIRECT DIAL: 414-225-1673
PCS@BOYLEFRED.COM

SUITE 1030

250 EAST WISCONSIN AVENUE

MILWAUKEE, WI 53202

PHONE: 414.225.9755 FAX: 414.225.9753

E-MAIL: MAIL@BOYLEFRED.COM



October 19, 2001

Director of the U.S. of Patent
and Trademark Office
Box Patent Application
Washington, D.C. 20231

Re: Utility Patent Application
Inventor(s): David J. Beebe and Jaisree Moorthy
Title: *Method and Aparatus for Monitoring The
Environment Within A Microfluidic Device*
USPTO Customer Account No.: 23598
Attorney Docket No.: 282.020

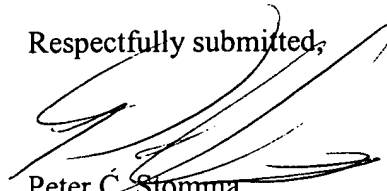
Dear Sir:

Enclosed is our check in the amount of \$433.00 in payment of the government filing fee for the enclosed United States patent application, which application includes 10 pages of specification, 27 claims on 6 sheets, 9 Drawings on 3 sheets, and an Abstract of the Disclosure. An unexecuted Declaration and Power of Attorney is also enclosed. The executed Declaration will be filed at a later date along with the late filing surcharge. A Utility Patent Application Transmittal and Fee Transmittal Form PTO/SB/17 (11/00) are also enclosed.

Applicant is a small entity within the meaning of 37 CFR §§ 1.9 and 1.27 and hereby claims small entity status.

The Director is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,



Peter C. Stomma
Registration No. 36,020



23598

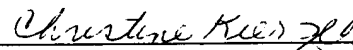
PATENT TRADEMARK OFFICE

Certification Under 37 CFR 1.10

Express Mail Label No: **EL9229612790US**

Date of Deposit: **October 19, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Director of the U.S. Patent and Trademark Office, Box Patent Application, Washington, D.C. 20231.



Christine Kierzek

10045937-101901
T06T01-2E654001

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

Complete if Known

Application Number	
Filing Date	
First Named Inventor	David J. Beebe et al
Examiner Name	
Group Art Unit	
Attorney Docket No.	282.020

TOTAL AMOUNT OF PAYMENT (\$ 433)

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 50-1170

Deposit Account Name: Boyle Fredrickson Newholm Stein & Gratz S.C.

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 C.J.R. 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION (continued)

3. ADDITIONAL FEES									
Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description		Fee Paid			
105	130	205	65	Surcharge - late filing fee or oath					
127	50	227	25	Surcharge - late provisional filing fee or cover sheet					
139	130	139	130	Non-English specification					
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination					
112	920*	112	920*	Requesting publication of SIR prior to Examiner action					
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action					
115	110	215	55	Extension for reply within first month					
116	390	216	195	Extension for reply within second month					
117	890	217	445	Extension for reply within third month					
118	1,390	218	695	Extension for reply within fourth month					
128	1,890	228	945	Extension for reply within fifth month					
119	310	219	155	Notice of Appeal					
120	310	220	155	Filing a brief in support of an appeal					
121	270	221	135	Request for oral hearing					
138	1,510	138	1,510	Petition to institute a public use proceeding					
140	110	240	55	Petition to revive - unavoidable					
141	1,240	241	620	Petition to revive - unintentional					
142	1,240	242	620	Utility issue fee (or reissue)					
143	440	243	220	Design issue fee					
144	600	244	300	Plant issue fee					
122	130	122	130	Petitions to the Commissioner					
123	50	123	50	Processing fee under 37 CFR 1.17(q)					
126	180	126	180	Submission of Information Disclosure Stmt					
581	40	581	40	Recording each patent assignment per property (times number of properties)					
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))					
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))					
179	710	279	355	Request for Continued Examination (RCE)					
169	900	169	900	Request for expedited examination of a design application					
Other fee (specify)									
SUBTOTAL (3)									

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	370
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 370)

2. EXTRA CLAIM FEES

		Extra Claims		Fee from Below		Fee Paid	
Total Claims	27	-20**=	7	x	9	=	63
Independent Claims	3	-3**=	0	x		=	
Multiple Dependent							
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description			
103	18	203	9	Claims in excess of 20			
102	80	202	40	Independent claims in excess of 3			
104	270	204	135	Multiple dependent claim, if not paid			
109	80	209	40	**Reissue independent claims over original patent			
110	18	210	9	**Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2)					(\$ 63)		

** or number previously paid, if greater; For Reissues, see above

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Name (Print/Type)	Peter C. Stomma	Registration No. (Attorney/Agent)	36,020	Telephone	(414) 225-9755
Signature		Date	10/19/01		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patent

{00011264.DOC /}

Certificate of Express Mailing

I hereby certify that this correspondence is being deposited with the U.S. Post Office as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Box 1000, Washington, D.C. 20231 on 10/19/01. The Express Label No. is 922961271US. Consolidated KWA 324 10/19/01